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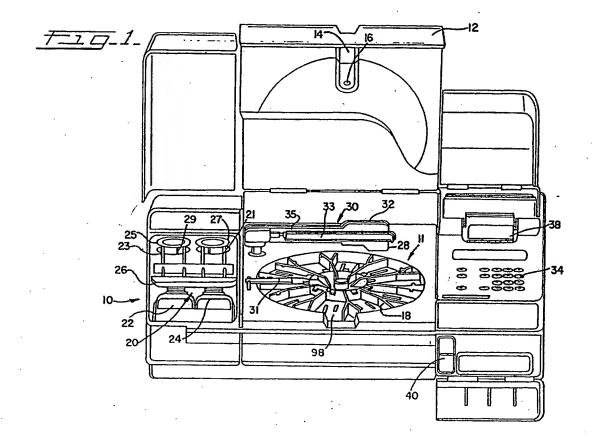
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- (a) Reaction cartridge and carousel for biological sample analyzer.
- A semi-automated biological sample analyzer and subsystems are provided to simultaneously perform a plurality of enzyme immuno assays for himan IgE class antibodies specific to a panel of preselected allergens in each of a plurality of biological samples. A carousel is provided to position and hold a plurality of reaction cartridges. Each reaction cartridge includes a plurality of isolated test sites formed in a two dimensional array in a solid phase binding layer contained within a reaction well which is adapted to contain a biological sample to be assayed. The carousel and cartridges contain struc-

tures which cooperate to precisely position the cartridges in each of three separate dimensions so that each cartridge is positioned uniformly. An optical reader operating on a principle of diffuse reflectance is provided to read the results of the assays from each test site of each cartridge. Also provided is a subsystem which provides predetermined lot-specific assay calibration data which is useful for normalizing the results of various assays with respect to predetermined common standard values.



Application Number

EP 89 11 3617

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ategory	Citation of document wi	th indication, where appropriate, avant passages		Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)	
P,A	WO-A-8 808 538 (TANOX BIOSYSTEMS) * Page 13, line 25 - page 14, line 31 * EP-A-0 217 000 (ABBOTT LABORATORIES) * Page 10, line 21 - page 11, line 23; page 13, line 27 15, line 27 *		1	,2	G 01 N 35/02	
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A	EP-A-0 192 968 (FISHER * Page 7, line 1 - page 8, lir line 18; figures 1,3,10,11 *	SCIENTIFIC) ne 27; page 11, line 18 - pag		2,5,7		
A	US-A-4 738 825 (N.G. KE * Column 3, line 61 - colum	LLN et al.) n 4, line 22; column 5, lines	1-42	.5		
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